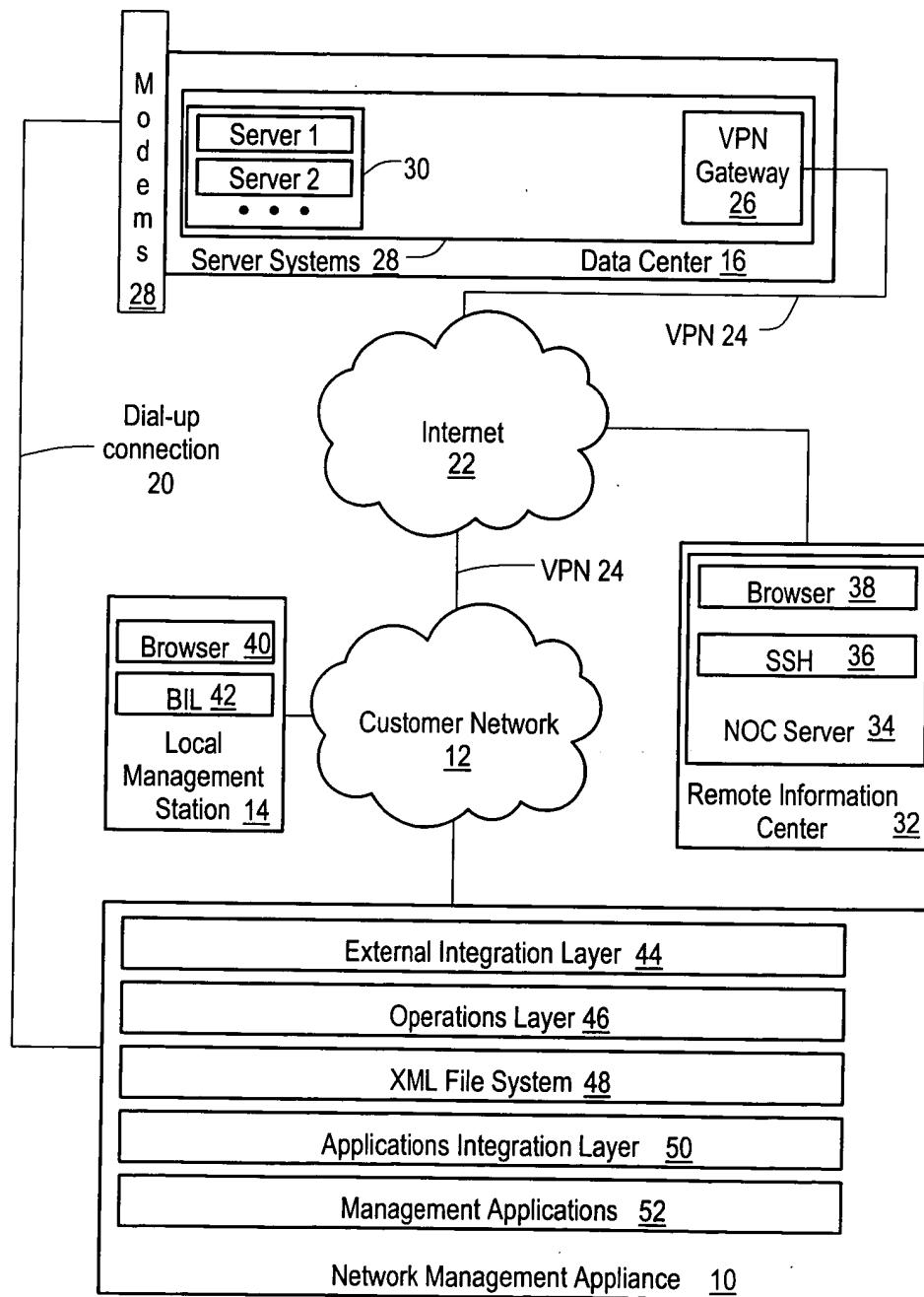
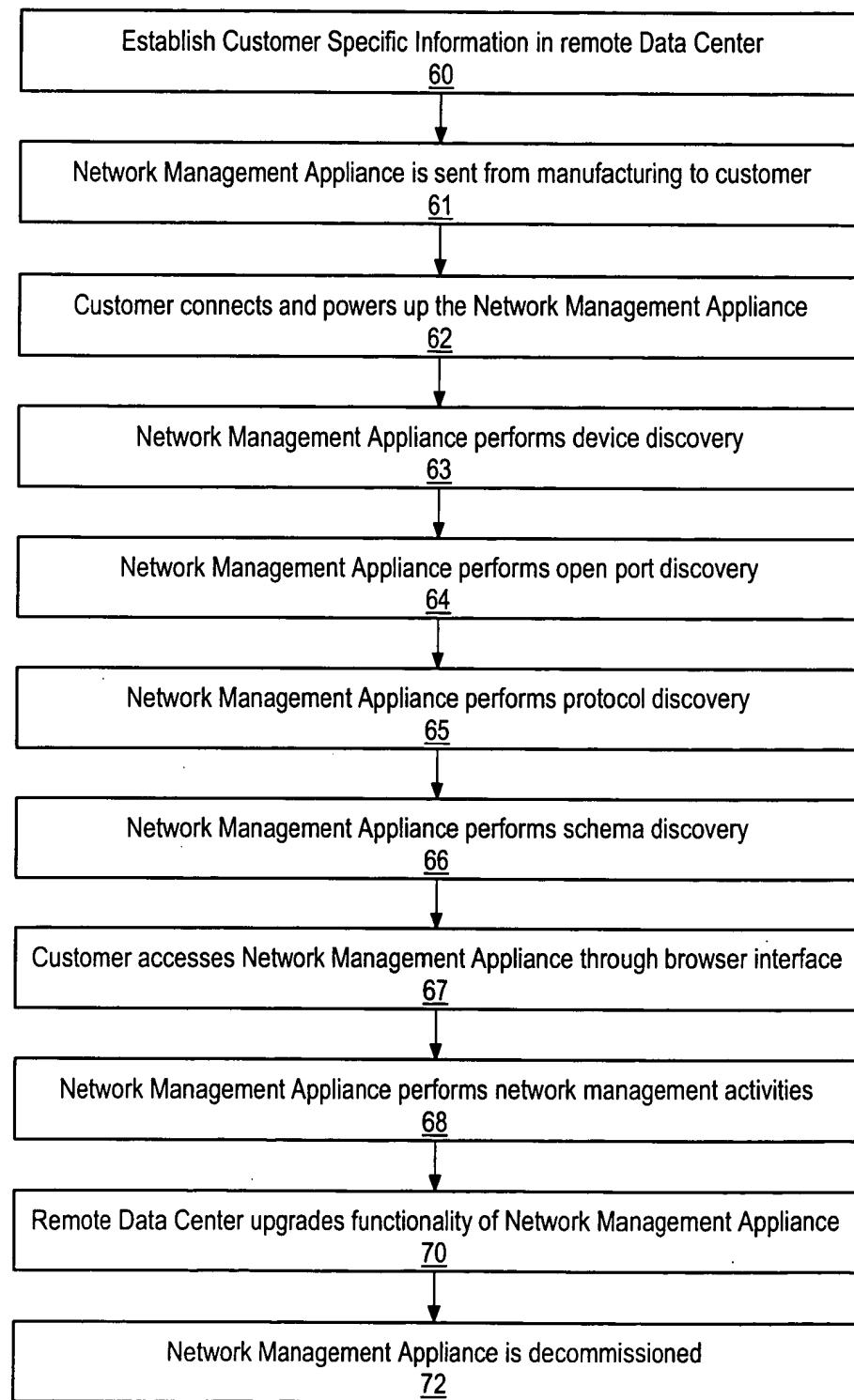


1/15

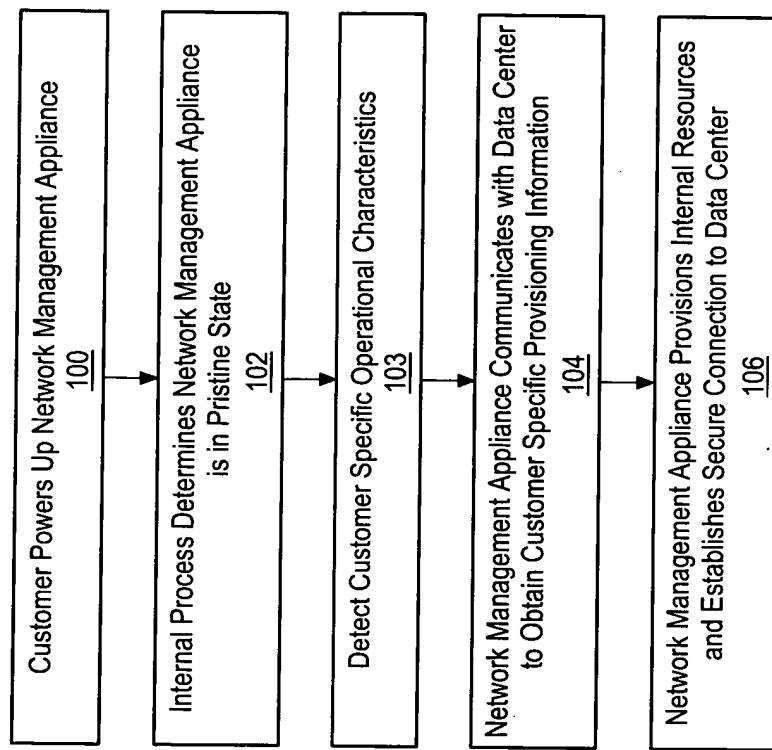
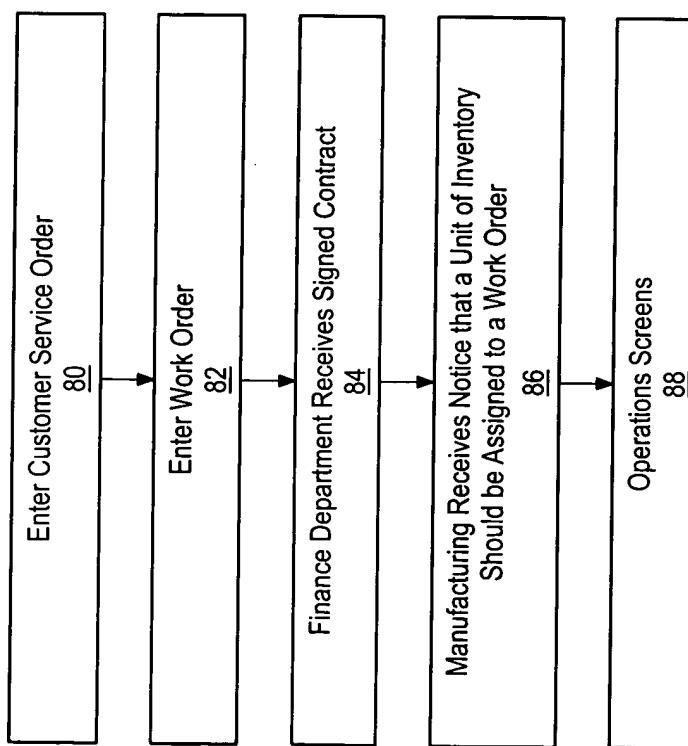


**FIG. 1**

2/15

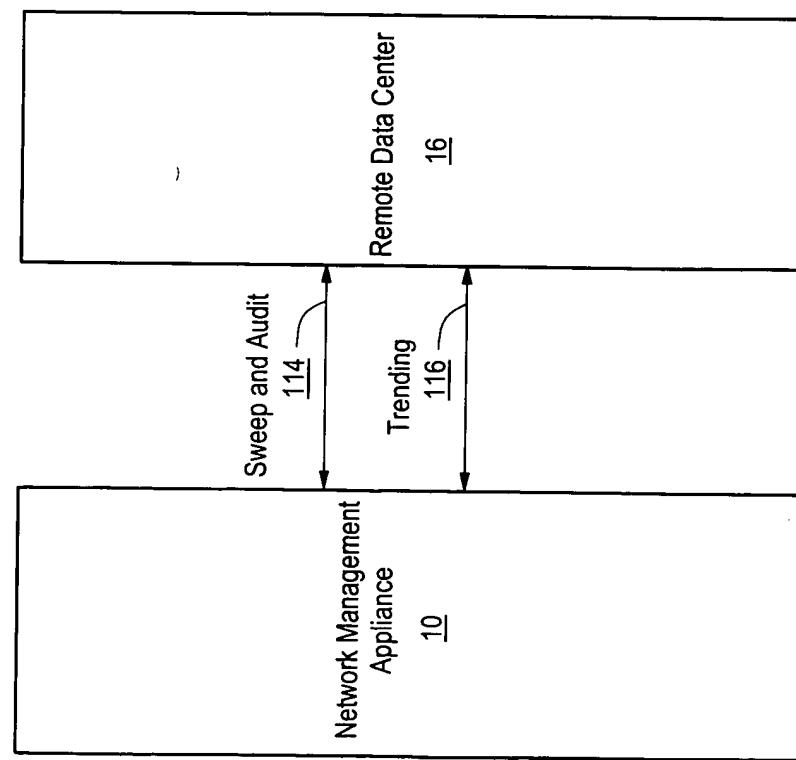
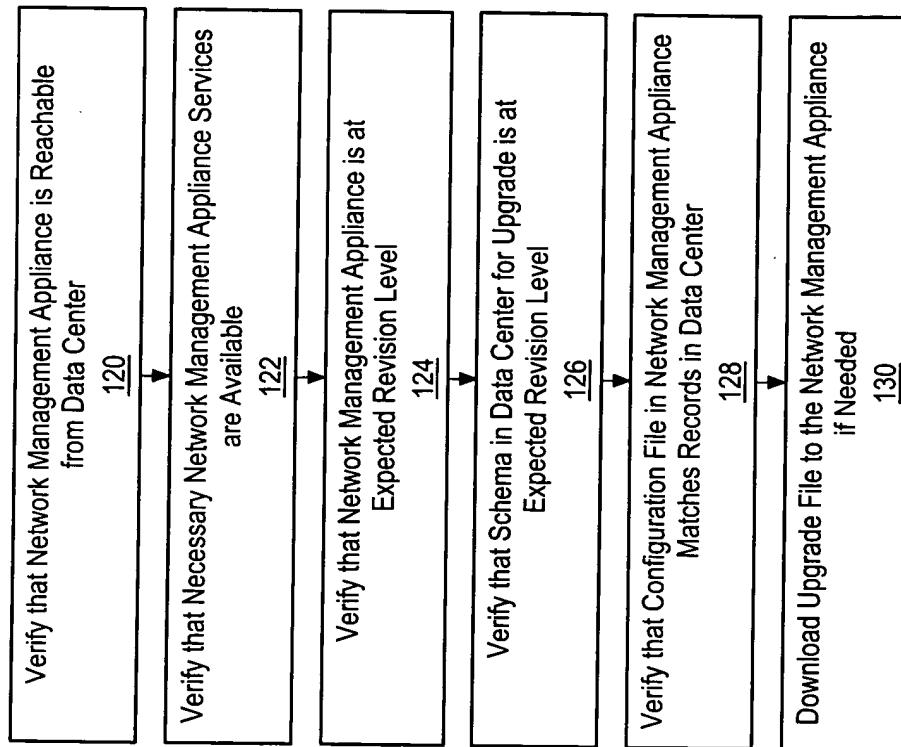
**FIG. 2**

3/15

**FIG. 3****FIG. 4**

Title: XML FILE SYSTEM  
 Inventor Name: Vikram Pillai et al.  
 Appl. No.10/016,493  
 Docket No.:SBACK-002XX

4/15

**FIG. 6****FIG. 5**

5/15

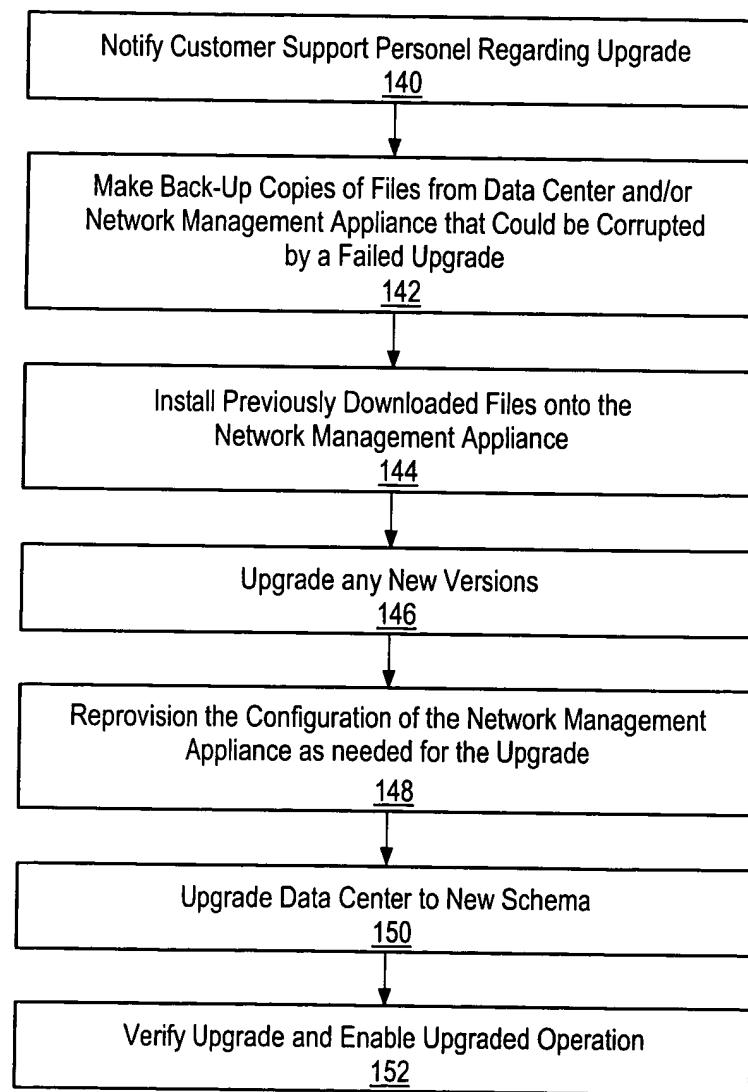
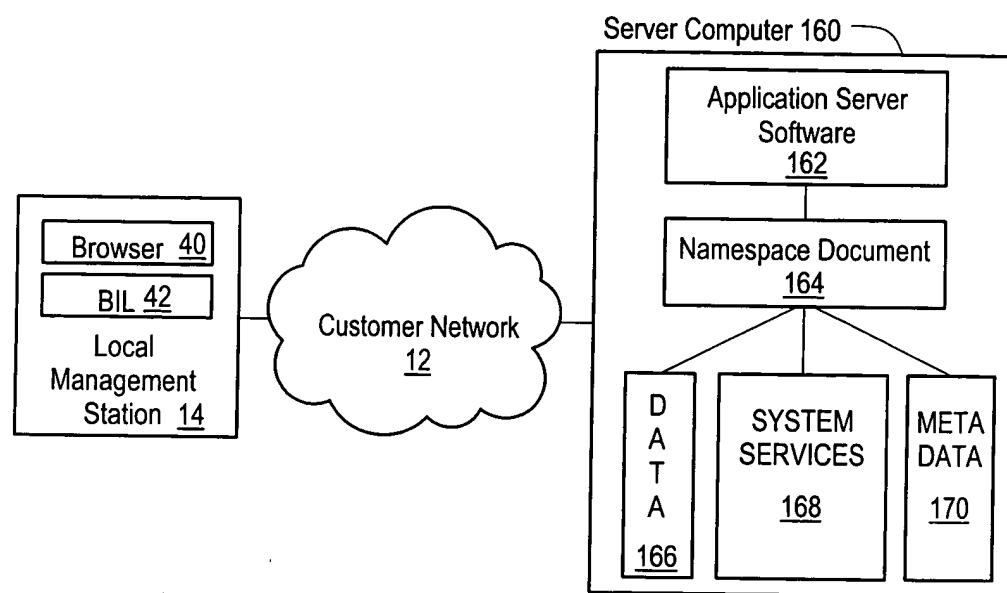


FIG. 7

6/15



**FIG. 8**

7/15

180 {  
<root>  
  <usr>  
    <bin/>  
  </usr>  
  <app>  
    <report/>  
  </app>  
  <cpe>  
    <report/>  
  </cpe>  
</root>} 182  
                  184  
                  186

**FIG. 9**

190 {  
  <app>  
    {<report>  
      <get-schema/>  
      <dc-box-upgrade/>  
      <performance/>} 194  
    </report>  
  </app>} 196  
                  198

**FIG. 10**

210 {  
  212 {<file type="dir" name="public">  
    214 {<file type="file" name="test.xml">  
      216 {</file>  
    </file>} 216

**FIG. 11**

8/15

220 {  
    <file type="file" name="get-schema">  
        <access-specification>  
            <access-control-entry>  
                <role>Admin</role>  
                <permissions>  
                    <read/>  
                    <write/>  
                    <delete/>  
                    <add/>  
                </permissions>  
            </access-control-entry>  
        </access-specification>  
    </file>

222      224

### **FIG. 12**

230 {  
    <file type="dir" name="public"  
        {  
            232 {  
                <file type="file" name="test.xml">  
                    {  
                        234 {  
                            <physical type="xml">  
                                <file>/usr/local/system/mytest.xml</file>  
                        </physical>  
                    </file>  
                </file>  
    </file>

### **FIG. 13**

240 {  
    <file type="dir" name="public"  
        {  
            <file type="file" name="get-schema">  
                {  
                    <physical type="xlet">  
                        <language type="perl"  
                            class="/usr/local/silverback/bin/get-schema.pl"/>  
                        </physical>  
                </file>  
    </file>

244      242

### **FIG. 14**

10016493 . 020102  
Title: XML FILE SYSTEM  
Inventor Name: Vikram Pillai et al.  
Appl. No.10/016,493  
Docket No.:SBACK-002XX

9/15

```
<root>
  <usr>
    <bin/>
  </usr>
  <app>
    <report/>
  </app>
  <cpe>
    <report/>
  </cpe>
  <system>
    <file type="dir" name="root">
      <file type="dir" name="usr">
        <file type="file" name="bin"/>
      </file>
      <file type="dir" name="app">
        <file type="file" name="report"/>
      </file>
      <file type="dir" name="cpe">
        <file type="dir" name="report"/>
        <access-specification>
          <access-control-entry>
            <role>Admin</role>
            <permissions>
              <read/>
              <write/>
              <delete/>
              <add/>
            </permissions>
          </access-control-entry>
        </access-specification>
        <file type="file" name="get-schema">
          <physical type="xlet">
            <language type="perl"
class="/usr/local/silverback/bin/upgrade/get-
schema.pl"/>
          <physical>
        </file>
        <file type="file" name=
          "performance.xml">
          <physical type="xml">
            <file>/usr/local/system/screens/
              performance.xml</file>
          <physical>
        </file>
      </file>
    <file>
```

**FIG. 15a**

Title: XML FILE SYSTEM  
 Inventor Name: Vikram Pillai et al.  
 Appl. No.10/016,493  
 Docket No.:SBACK-002XX

10/15

252 {

```

<access-specification>
  <access-control-entry>
    <role>Admin</role>
    <permissions>
      <read/>
      <write/>
      <delete/>
      <add/>
    </permissions>
  </access-control-entry>
</access-specification>
</file>
</system>
</root>
```

250

***FIG. 15b***

260 { add

```

<request>
  <name>test</name> 262
  <parent>/usr/local</parent> 264
  <type>dir</type>
</request> 266
```

***FIG. 16***

270 { add

```

<request>
  <name>test.xml</name> 272
  <parent>/usr/local</parent> 274
  <type>file</type>
  <physical type="xml">
    <file>/usr/local/test.xml</file>
  <physical>
</request>
```

} 278

***FIG. 17***

11/15

add  
280 {  
    <request>  
        <name>get-schema</name>  
        <parent>/usr/local</parent>  
        <type>file</type>  
        <physical type="xml">  
            282 {  
                <language type="perl"  
                class="/usr/local/silverback/bin/upgrade/  
                          get-schema.pl"/>  
                <physical>  
            </request>

## FIG. 18

add  
290 {  
    <request>  
        <name>test</name>  
        <parent>/usr/local</parent>  
        <type>dir</type>  
        <access-specification>  
            292 {  
                294 {  
                    <access-control-entry>  
                        <role>Admin</role>  
                        <permissions>  
                            <read/>  
                            <write/>  
                            <delete/>  
                            <add/>  
                        </permissions>  
                    </access-control-entry>  
                </access-specification>  
    </request>

## FIG. 19

2016493 · 020102

Title: XML FILE SYSTEM  
Inventor Name: Vikram Pillai et al.  
Appl. No.10/016,493  
Docket No.:SBACK-002XX

12/15

```
300 { <reply>
      <status>
        <code>302</code>
        <message>OK</message>
      </status>
    </reply>
```

*FIG. 20*

```
cp {<request>
310      <source>/usr/local/test</source>
           <target>/usr/local/test2</target>
      </request>
```

*FIG. 21*

```
mv  
320 {<request>  
      <source>/usr/local/test</source>  
      <target>/usr/local/test2</target>  
    </request>
```

*FIG. 22*

```
rm 330 {<request>
           <source>/usr/local/test</source>
         </request>
```

FIG. 23

Title: XML FILE SYSTEM  
 Inventor Name: Vikram Pillai et al.  
 Appl. No.10/016,493  
 Docket No.:SBACK-002XX

13/15

340 { <reply>  
     <status>  
         <code></code>  
         <message></message>  
     </status>  
   </reply>

**FIG. 24**

dir  
 350 { <request>  
     <xpath>/usr</xpath>  
   </request>

**FIG. 25**

360 { <reply>  
     <directory>  
         <get-schema/>  
         <performance/>  
         <report/>  
     </directory>  
     <status>  
         <code></code>  
         <message></message>  
     </status>  
   </reply>

**FIG. 26**

14/15

dir  
370 {<request>  
    <xpath>/usr</xpath>  
    <detail>true</detail>  
  </request>} 372

**FIG. 27**

{<reply>  
  <directory>  
    <get-schema>  
      <type>xlet</type>  
      <physical type="xlet">  
        <language type="perl"  
class="/usr/local/silverback/bin/upgrade/get-schema.pl"/>  
      </physical>  
    </get-schema>  
    <performance>  
      <physical type="xml">  
  
  <file>/usr/local/system/screens/performance.xml  
  </file>  
    </physical>  
  </performance>  
  <report>  
    <type>dir</type>  
  </report>  
  </directory>  
  <status>  
    <code></code>  
    <message></message>  
  </status>  
</reply>}

**FIG. 28**

Title: XML FILE SYSTEM  
Inventor Name: Vikram Pillai et al.  
Appl. No.10/016,493  
Docket No.:SBACK-002XX

15/15

```
exec  
390 { <request>  
          <xpath>/usr/foo</xpath>  
      </request>
```

*FIG. 29*

```
400 { <reply>
      <!--results . . .
      <status>
          <code></code>
          <message></message>
      </status>
    </reply> } 404
```

*FIG. 30*